



## SEQUENCE LISTING

<110> Ching-Hsaing, Hsu  
Cheng, Winston T. K.

<120> ALLERGEN-CONTAINING MILK FOR ALLERGY  
TREATMENT

<130> 12774-003001

<140> 09/877,160

<141> 2001-06-08

<160> 10

<170> FastSEQ for Windows Version 4.0

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<212> PRT

<213> Dermatophagoides pteronyssinus

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			20					25					30		
Leu	Leu	Met	Glu	Arg	Ile	His	Glu	Gln	Ile	Lys	Lys	Gly	Glu	Leu	Ala
		35					40					45			
Leu	Phe	Tyr	Leu	Gln	Glu	Gln	Ile	Asn	His	Phe	Glu	Glu	Lys	Pro	Thr
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Lys	Glu	Met	Lys	Asp	Lys	Ile	Val	Ala	Glu	Met	Asp	Thr	Ile	Ile	Ala
65					70				75					80	
Met	Ile	Asp	Gly	Val	Arg	Gly	Val	Leu	Asp	Arg	Leu	Met	Gln	Arg	Lys
			85						90					95	
Asp	Leu	Asp	Ile	Phe	Glu	Gln	Tyr	Asn	Leu	Glu	Met	Leu	Lys	Lys	Ser
		100						105					110		
Gly	Asp	Ile	Leu	Glu	Arg	Asp	Leu	Lys	Lys	Glu	Glu	Ala	Arg	Val	Lys
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Lys	Ile	Glu	Val												
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<211> 320

<212> PRT

<213> Dermatophagoides pteronyssinus

<400> 2

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Phe	Asn	Lys	Ser	Tyr	Ala	Thr	Phe	Glu	Asp	Glu	Glu	Ala	Ala	Arg	Lys
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Asn	Phe	Leu	Glu	Ser	Val	Lys	Tyr	Val	Gln	Ser	Asn	Gly	Gly	Ala	Ile
		50				55					60				

Asn	His	Leu	Ser	Asp	Leu	Ser	Leu	Asp	Glu	Phe	Lys	Asn	Arg	Phe	Leu
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Met	Ser	Ala	Glu	Ala	Phe	Glu	His	Leu	Lys	Thr	Gln	Phe	Asp	Leu	Asn
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Ala	Glu	Thr	Asn	Ala	Cys	Ser	Ile	Asn	Gly	Asn	Ala	Pro	Ala	Glu	Ile
			100					105					110		
Asp	Leu	Arg	Gln	Met	Arg	Thr	Val	Thr	Pro	Ile	Arg	Met	Gln	Gly	Gly
		115					120					125			
Cys	Gly	Ser	Cys	Trp	Ala	Phe	Ser	Gly	Val	Ala	Ala	Thr	Glu	Ser	Ala
	130					135					140				
Tyr	Leu	Ala	Tyr	Arg	Asn	Gln	Ser	Leu	Asp	Leu	Ala	Glu	Gln	Glu	Leu
145					150					155					160
Val	Asp	Cys	Ala	Ser	Gln	His	Gly	Cys	His	Gly	Asp	Thr	Ile	Pro	Arg
				165					170					175	
Gly	Ile	Glu	Tyr	Ile	Gln	His	Asn	Gly	Val	Val	Gln	Glu	Ser	Tyr	Tyr
			180					185						190	
Arg	Tyr	Val	Ala	Arg	Glu	Gln	Ser	Cys	Arg	Arg	Pro	Asn	Ala	Gln	Arg
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Phe	Gly	Ile	Ser	Asn	Tyr	Cys	Gln	Ile	Tyr	Pro	Pro	Asn	Val	Asn	Lys
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Ile	Arg	Glu	Ala	Leu	Ala	Gln	Thr	His	Ser	Ala	Ile	Ala	Val	Ile	Ile
225					230					235					240
Gly	Ile	Lys	Asp	Leu	Asp	Ala	Phe	Arg	His	Tyr	Asp	Gly	Arg	Thr	Ile
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Ile	Gln	Arg	Asp	Asn	Gly	Tyr	Gln	Pro	Asn	Tyr	His	Ala	Val	Asn	Ile
			260					265					270		
Val	Gly	Tyr	Ser	Asn	Ala	Gln	Gly	Val	Asp	Tyr	Trp	Ile	Val	Arg	Asn
		275					280					285			
Ser	Trp	Asp	Thr	Asn	Trp	Gly	Asp	Asn	Gly	Tyr	Gly	Tyr	Phe	Ala	Ala
	290					295					300				
Asn	Ile	Asp	Leu	Met	Met	Ile	Glu	Glu	Tyr	Pro	Tyr	Val	Val	Ile	Leu
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&lt;211&gt; 146

&lt;212&gt; PRT

&lt;213&gt; Dermatophagoides pteronyssinus

&lt;400&gt; 3

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Val	Leu	Val	Pro	Gly	Cys	His	Gly	Ser	Glu	Pro	Cys	Ile	Ile	His	Arg
		35					40					45			
Gly	Lys	Pro	Phe	Gln	Leu	Glu	Ala	Val	Phe	Glu	Ala	Asn	Gln	Asn	Thr
	50					55					60				
Lys	Thr	Ala	Lys	Ile	Glu	Ile	Lys	Ala	Ser	Ile	Asp	Gly	Leu	Glu	Val
65				70						75				80	
Asp	Val	Pro	Gly	Ile	Asp	Pro	Asn	Ala	Cys	His	Tyr	Met	Lys	Cys	Pro
				85					90					95	
Leu	Val	Lys	Gly	Gln	Gln	Tyr	Asp	Ile	Lys	Tyr	Thr	Trp	Asn	Val	Pro
			100					105					110		
Lys	Ile	Ala	Pro	Lys	Ser	Glu	Asn	Val	Val	Val	Thr	Val	Lys	Val	Met
		115					120					125			
Gly	Asp	Asp	Gly	Val	Leu	Ala	Cys	Ala	Ile	Ala	Thr	His	Ala	Lys	Ile
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Arg Asp  
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<223> oligonucleotide for PCR

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<210> 5  
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<220>  
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<400> 6  
gctcgagcat gaaattcatc 20

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actcgagtga tgaaggcaac aag 23

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ctctcttgtc atcctcttcc 20

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 actcgagtga tgaaggcaag aag

23

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<220>  
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 Met Lys Phe Ile Ile Ala Phe Phe Val Ala Thr Leu Ala Val Met Thr  
 1 5 10 15

gtt tca ggt gaa gat aaa aaa cat gat tat caa aat gaa ttt gat ttc 157  
 Val Ser Gly Glu Asp Lys Lys His Asp Tyr Gln Asn Glu Phe Asp Phe  
 20 25 30

tta ttg atg gaa cgt att cat gaa caa att aaa aaa ggt gaa ctt gca 205  
 Leu Leu Met Glu Arg Ile His Glu Gln Ile Lys Lys Gly Glu Leu Ala  
 35 40 45

ttg ttc tat ctt caa gaa cag att aat cat ttt gaa gaa aaa cca aca 253  
 Leu Phe Tyr Leu Gln Glu Gln Ile Asn His Phe Glu Glu Lys Pro Thr  
 50 55 60

aaa gaa atg aaa gat aaa att gta gcc gaa atg gat acc att att gct 301  
 Lys Glu Met Lys Asp Lys Ile Val Ala Glu Met Asp Thr Ile Ile Ala  
 65 70 75 80

atg atc gat ggt gta cgt ggt gta ctt gat cgt ctt atg caa cgt aaa 349  
 Met Ile Asp Gly Val Arg Gly Val Leu Asp Arg Leu Met Gln Arg Lys  
 85 90 95

gat tta gat att ttt gaa caa tat aat ctt gaa atg ctc aaa aaa tct 397  
 Asp Leu Asp Ile Phe Glu Gln Tyr Asn Leu Glu Met Leu Lys Lys Ser  
 100 105 110

ggt gat att ttg gaa cgt gat ttg aaa aaa gaa gaa gca cgt gtt aaa 445  
 Gly Asp Ile Leu Glu Arg Asp Leu Lys Lys Glu Glu Ala Arg Val Lys  
 115 120 125

aat att gaa gtt aagctttgaa ttcagatccg ttaccaacta cctagactgg 497  
 Asn Ile Glu Val

130

attcgtgaca	atatgcggcc	gtgatatcta	cgtatgatca	gcctcgactg	tgctttcttg	557
ttgccttcat	cactcgagtc	tagagggcc	gtttaaacc	gctgatcagc	ctcgactgtg	617
ccttcta						624